

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P203084

Luminaire Tested: **LD6B60D010TE EU6B60708040 6LBWB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B60D010TE EU6B60708040 6LBWB1
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SPECULAR BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3479.8 lumens
Efficiency: N/A
Efficacy: 55.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

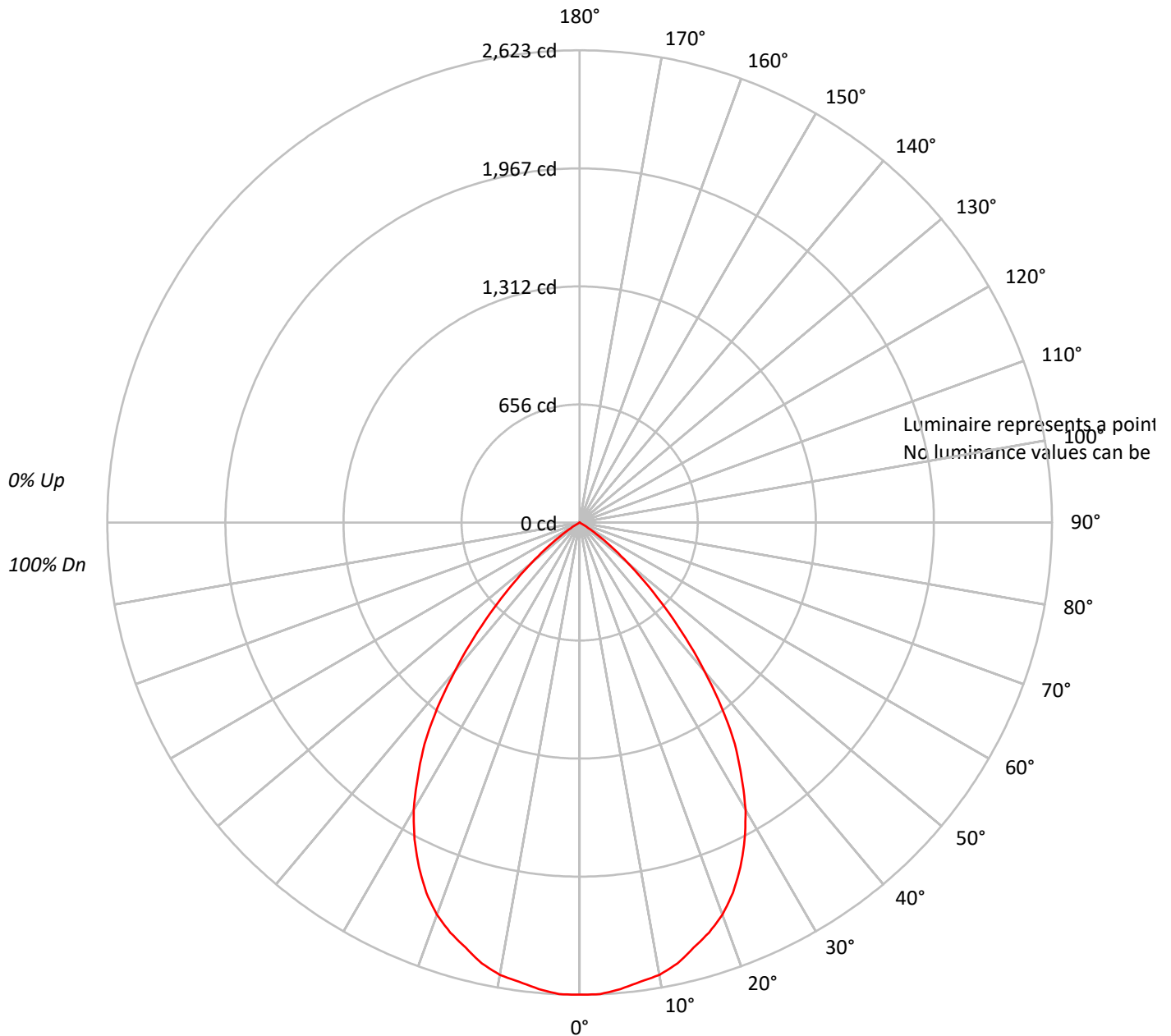
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203084

CATALOG NUMBER: LD6B60D010TE EU6B60708040 6LBWB1

Luminous Intensity Polar Plot





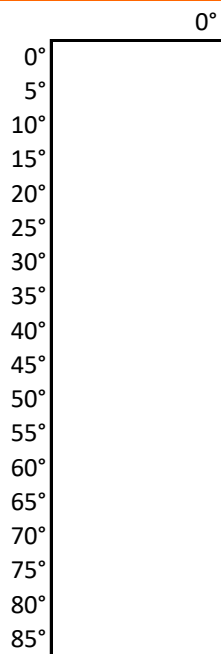
TEST NUMBER: P203084

CATALOG NUMBER: LD6B60D010TE EU6B60708040 6LBWB1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	113	110	107	105	110	108	105	103		104	102	100			100	98	97			96
2	106	101	97	93	104	99	95	92		96	93	90			93	90	88			90
3	100	93	87	83	98	92	86	82		89	85	81			86	83	80			84
4	94	86	79	75	92	85	79	74		82	77	73			80	76	73			78
5	89	79	73	68	87	78	72	67		76	71	67			75	70	66			73
6	83	73	67	62	82	72	66	61		71	65	61			69	64	61			68
7	78	68	61	56	77	67	61	56		66	60	56			65	60	56			63
8	74	63	57	52	73	63	56	52		61	56	52			60	55	51			59
9	70	59	52	48	69	58	52	48		57	52	48			57	51	47			56
10	66	55	49	44	65	55	49	44		54	48	44			53	48	44			52

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203084

CATALOG NUMBER: LD6B60D010TE EU6B60708040 6LBWB1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.6	7.1
10°-20°	689.5	19.8
20°-30°	965.9	27.8
30°-40°	922.4	26.5
40°-50°	525.4	15.1
50°-60°	128.3	3.7
60°-70°	1.7	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1902.0	54.7
0°-40°	2824.5	81.2
0°-60°	3478.1	100.0
0°-90°	3479.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3479.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2623	
5°	2601	247
15°	2445	690
25°	2112	966
35°	1503	922
45°	673	525
55°	128	128
65°	0	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P203084

CATALOG NUMBER: LD6B60D010TE EU6B60708040 6LBWB1

CANDELA DISTRIBUTION (FULL):

	0°
0°	2622.6
2.5°	2622.6
5°	2601.4
7.5°	2573.0
10°	2551.8
12.5°	2509.2
15°	2445.4
17.5°	2388.7
20°	2317.9
22.5°	2225.7
25°	2112.3
27.5°	1984.7
30°	1842.9
32.5°	1672.8
35°	1502.7
37.5°	1297.1
40°	1077.4
42.5°	871.9
45°	673.4
47.5°	496.2
50°	347.3
52.5°	219.7
55°	127.6
57.5°	56.7
60°	14.2
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)